AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

1   1.   (Currently Amended) A system comprising:

2   a CPU;

3   a peripheral bus coupled to the CPU;

4   a management processor coupled to the peripheral bus; and

5   an infrared transceiver coupled to the management processor;

6   the management processor enabling ~~an external~~ a handheld device to emulate any one or

7   more of a keyboard, a mouse, a disk drive, and a monitor via the infrared transceiver,

8   the management processor to cooperate with the handheld device to load diagnostic

9   software from the handheld device into the system for execution on the CPU to perform a

10 diagnostic task.

1   2.   (Currently Amended) The system of claim 1, further comprising:

2   the management processor decoding video cycles on the peripheral bus, converting the

3   video cycles to a video stream and sending the video stream via the infrared transceiver for

4   display by the ~~external~~ handheld device.

1   3.   (Currently Amended) The system of claim 1, further comprising:

2   a memory coupled to the management processor; and

3   the management processor storing status information of the ~~computer~~ system into the

4   memory.

1   4.   (Original) The system of claim 1, further comprising:

2   the management processor implementing an IrDA stack.

1 5.   (Currently Amended) The system of claim 1, further comprising:

2   an I/O bus coupled to the management processor; and

3   a microcontroller coupled to the I/O bus and the infrared transceiver;

4   the microcontroller implementing an IrDA stack and enabling communications with the

5 ~~external~~ handheld device via the infrared transceiver.

1 6.   (Original) The system of claim 1, further comprising:

2   a first memory coupled to the management processor;

3   an I/O bus coupled to the management processor;

4   a microcontroller coupled to the I/O bus and the infrared transceiver; and

5   a second memory coupled to the microcontroller.

1 7.   (Currently Amended) The system of claim 6, ~~the computer providing an auxiliary power~~

2 ~~signal, further comprising:~~ further comprising an auxiliary power source;

3   the management processor, the first and second memories, the microcontroller and the

4 infrared transceiver coupled to the auxiliary power ~~signal~~ source.

1 8.   (Cancelled)

1 9.   (Currently Amended) A system comprising:

2   an interface to communicate with a ~~handheld~~ personal digital assistant (PDA) device; and

3   a processor to interact with the ~~handheld~~ PDA device through the interface to enable the

4 ~~handheld~~ PDA device to emulate a pointer device function and a display function of the system,

5   wherein the processor is adapted to load diagnostic software from the PDA device into

6 the system for execution to perform a diagnostic task.

1 10.   (Original) The system of claim 9, wherein the system comprises a headless system that

2 does not have a pointer device and a display.

1   11.   (Original)   The system of claim 9, wherein the interface comprises an infrared

2   transceiver.

1   12.   (Currently Amended)   The system of claim 9, wherein the processor is adapted to interact

2   with the ~~handheld~~ <u>PDA</u> device through the interface to further emulate a keyboard function.

1   13.   (Currently Amended)   The system of claim 9, further comprising a system bus over

2   which video cycles are routed, wherein the processor is adapted to convert the video cycles to

3   video data and to send the video data through the interface to the ~~handheld~~ <u>PDA</u> device for

4   display by the ~~handheld~~ <u>PDA</u> device.

1   14.   (Currently Amended)   The system of claim 9, wherein the processor is adapted to interact

2   with the ~~handheld~~ <u>PDA</u> device through the interface to further emulate a disk drive.

1   15.   (Currently Amended)   The system of claim 14, wherein the processor is adapted to load

2   [[a]] <u>the</u> diagnostic ~~routine~~ <u>software</u> into the system from the ~~handheld~~ <u>PDA</u> device in the

3   ~~handheld~~ <u>PDA</u> device's role of emulating a disk drive.

1   16.   (Currently Amended)   The system of claim 15, wherein the processor is adapted to

2   receive control commands through the interface from the ~~handheld~~ <u>PDA</u> device during

3   initialization <u>of the system</u>.

1   17.   (Currently Amended)   A method executable in a system, comprising:

2   communicating with a handheld device through an <u>infrared</u> interface; [[and]]

3   interacting with the handheld device through the <u>infrared</u> interface to enable the handheld

4   device to emulate a pointer device function and a display function of the system<u>; and</u>

5   <u>loading diagnostic software from the infrared handheld device into the system to perform</u>

6   <u>a diagnostic task</u>.

1   18.   (Original) The method of claim 17, wherein emulating the pointer device function and

2   the display function of the system comprises emulating the pointer device function and the

3   display function of a headless system that does not have a pointer device and a display.

1   19.   (Cancelled)

1   20.   (Currently Amended) The method of claim 17, further comprising interacting with the

2   handheld device through the infrared interface to further emulate a keyboard function.

1   21.   (Currently Amended) The method of claim 17, wherein the system comprises a system

2   bus over which video cycles are routed, the method further comprising converting the video

3   cycles to video data and to send the video data through the infrared interface to the handheld

4   device for display by the handheld device.

1   22.   (Currently Amended) The method of claim 17, further comprising interacting with the

2   handheld device through the infrared interface to further emulate a disk drive.

1   23.   (Currently Amended) The method of claim 22, further comprising wherein loading [[a]]

2   the diagnostic routine software into the system from the handheld device [[in]] is based on the

3   handheld device's role of emulating a disk drive.

1   24.   (New) The system of claim 1, wherein the handheld device comprises a personal digital

2   assistant (PDA) device, and the management processor to cooperate with the PDA device to load

3   the diagnostic software from the PDA device into the system.

1   25.   (New) The method of claim 17, wherein loading the diagnostic software from the

2   handheld device into the system comprises loading the diagnostic software from a personal

3   digital assistant (PDA) device into the system.